

7-15 SERVICE CONNECTIONS

7-15.1 Description

This Work consists of installing 2-inch and smaller service connections from the main to and including the meter setter for the premises served. Service connections larger than 2-inches shall be installed as detailed on the Plans or as described in the Special Provisions.

7-15.2 Materials

Materials shall meet the requirements of the following sections:

Saddles	9-30.6(1)
Corporation Stops	9-30.6(2)
Service Pipe	9-30.6(3)
Service Fittings	9-30.6(4)
Meter Setters	9-30.6(5)
Bronze Nipples and Fittings	9-30.6(6)
Meter Boxes	9-30.6(7)

7-15.3 Construction Requirements

All service connections to water mains, except to ductile iron pipe Class 52 or stronger, shall be made using saddles as specified and be of the size and type suitable for use with the pipe being installed. Ductile iron pipe Class 52 or stronger may be direct tapped for corporation stops in accordance with the recommendations of DIPRA; unless direct taps are prohibited by the Special Provisions. Service pipelines shall be installed perpendicular to the main, unless shown otherwise in the Plans.

The depth of trenching for service connection piping shall provide a minimum of 3-feet of cover over the top of the pipe. Particular care shall be exercised to ensure that the main is not damaged by the Work undertaken to install the service. Excavating and backfilling for service connections shall be as specified in Section 7-09, except that the service pipeline shall be installed under pavement, curbs, and sidewalks by boring methods approved by the governmental agency having jurisdiction over the Roadway.

Service pipes shall be cut using a tool or tools specifically designed to leave a smooth, even, and square end on the piping material to be cut. Cut ends shall be reamed to the full inside diameter of the pipe. Pipe ends to be connected using couplings which seal to the outside surface of the pipe shall be cleaned to a sound, smooth finish before the couplings are installed. The meter box shall be adjusted to the finished grade after the surface has been acceptably restored.

Where shown in the Plans, existing service connections shall be reconnected to the new mains. The location of existing service connections shall be verified in the field by the Contractor. The Contractor shall notify affected customers of the service interruption at least 24-hours prior to service interruption.

Pipe materials used to extend or replace existing service connections beyond the meter box shall be copper or polyethylene pipe. Insulating couplings shall be used at any connection between galvanized steel or iron pipe and copper pipe. All fittings, appurtenances, and other miscellaneous materials on the sections of existing pipe that have been removed shall become the property of the Contractor.

7-15.3(1) Flushing and Disinfection

All service pipe and appurtenances shall be prechlorinated prior to installation. After installation, the service connection shall be flushed prior to connecting the meter.

7-15.4 Measurement

Service connections will be measured per each for each size of service connection installed.

7-15.5 Payment

Payment will be made in accordance with Section 1-04.1, for the following Bid item when it is included in the Proposal:

“Service Connection ____ In. Diam.”, per each.

The unit Contract price per each for “Service Connection ____ In. Diam.” shall be full pay for all Work to install the service connection, including but not limited to, excavating, tapping the main, laying and jointing the pipe and fittings and appurtenances, backfilling, testing, flushing, and disinfection of the service connection.